HEGEDUS, Ferenc

New research institute in Ufa. Bany lap 93 no. 5:305 My '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

TOTH, Miklos; NEMETH, Laszlo; HEINRICH, Jozsef; HEGEDUS, Ferenc; SCHOPPEL, Janos; VINCZE, Sandor

Society news. Bany lap 93 no. 5:352-359 My '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Toth and Hegedus).
2. "Banyaszati Lapok" foszerkesztoje (for Heinrich).
3. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Dorogi Csoport titkara (for Schoppel).
4. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Banyaszati Szakosztaly titkara (for Vincze).

HUGEDUS, Ferenc

Foreign study trips. Bany lap 97 no.6:[illegible] Je '64.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc, okl.banyamernok.

The most important dates and production indexes in the development of the Soviet oil industry. Bany lap 93 no.6:426-428 Je '60.

HEGEDUS, Ferenc

Asbestos cement natural gas pipes in the Soviet Union.
Bany lap 93 no. 9:655 S '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Achievements of experimental borings performed by low diameter turbines in Hungary. Bany lap 93 no. 11:790 N '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi taja.

HEGEDUS, Ferenc

Conference at Nagylengyel arranged by the Section of Oil Mining and the Division of Plastics, Rubber and Varnish Industry of the Hungarian Chemical Society. Bany lap 93 no.12:863 D '60.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

[redacted], Fumio

Foreign study trips. Bany Jap 57 co.73503 [illegible].

1. Editorial board member, "Banyasvati Japon."

HEGEDUS, Ferenc, okleveles banyamernok

Recent news on the "Mohole" plans. Bany lap 97 no.8:559 Ag '64.

Foreign study trips. Ibid.:577.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Petroleum prospecting in the North Sea. Bany lap 97 no.12: 830 D '64.

Foreign study trips. Ibid.:861

1. Editorial Board Member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Session arranged by the Division of Oil Mining. Bany lap 94 no.2:128 F '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Some data and facts relating to the petroleum industry of the United States. Bany lap 94 no.3:174 Mr '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.
(United States--Petroleum)

HEGEDUS, Ferenc, okl. banyamernok

The 1960 achievements of the Soviet Union's petroleum industry and its 1961 tasks. Bany lap 94 no.4:275-276 Ap '61.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

(Russia—Petroleum)

HEGEDUS, Ferenc, okl. banyamernok

A deep-boring machine named "Uncle Janos" in Austria.
Bany lap 94 no.7:495-497 Jl '61.

HEGEDUS, F.

Ninety years of the oil production in Baku. Bany lap 94 no.10: 717-718 O '61.

HEGEDUS, Fereno

Remarks about the 3d National Conference of Innovators and Inventors, commerce and the innovation movement. Ujit lap 14 no.3:30 F '62.

1. Bacs-Kiskun megye Messzov ujito eloadoja.

HEGEDUS, Ferenc, okl. banyamernok

Prospects of the development of the mineral oil and gas industries of the Soviet Union for the period 1960-1980. Bany lap 95 no.5:346-347 My '62.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 95 no.10:688-689 O '62.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 95 no.12:852 D '62.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc, okleveles banyamernok

Foreign study trips. Bany lap 96 no.1:65 Ja '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Foreign study trips. Bany lap 96 no.3:207-208 Mr '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

The session of the Division of Oil Mining, Hungarian Mining and Metallurgic Society. Bany lap 96 no.6:421-427 Je '63.

1. Orszagos Magyar Banyaszati es Kohaszati Egyesulet Olajbanyaszati Szakosztaly titkara; "Magyar Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Foreign study trips. Bany lap 96 no.7:495-496 Jl '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

1 million tons of petroleum produced by a single well in the Soviet Union. Bany lap 96 no.8:573-574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Volkswagen engines for driving deep boring installations. Bany lap 96 no.8:574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Experiments on oil burning in the storage layer. Bany lap 96 no.8:574 Ag '63.

1. "Banyaszati Lapok" szerkeszto bizottsagi tagja.

HEGEDUS, Ferenc

Steel economy in tubing crude oil-natural gas wells. Bany lap 97 no.10:680 O '64.

Turbotachometer tested in the Soviet Union. Ibid.:680

Huge oil outbreak near Groznyy. Ibid.:680

Deepest boring in the Soviet Union. Ibid.:680

The cumulative natural gas production of Austria exceeds 10 billion cubic meters. Ibid.:712

Development of natural gas production in West Germany in 1963. Ibid.:712

Natural gas for the Ruhr. Ibid.:712

The Petroleum University at Ufa. Ibid.:712

Study trips to foreign countries. Ibid.:723-724

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Foreign study trips. Bany lap 98 no.1:69 Ja '65.

1. Editorial Board Member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Transporting drill equipment of helicopters in Switzerland.
Bany lap 98 no.2:129 F '65.

1. Editorial Board Member, "Banyaszati Lapok."

HEGEDUS, Ferenc

A 160 m observation tower made of a single pipe. Bany lap 97 no. 5: 330 My '64.

Brazilian crude oil experts in the Soviet Union. Ibid.:333.

Opening of a technical university at Ashkhabad, capital of Turkmenia. Ibid.: 333.

An American drilling company in the offshore region of the North Sea. Ibid.: 333.

The Australian "Ma7" oil well has produced 400,000 tons of crude oil. Ibid.: 360.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Ferenc

Foreign study trips. Bany lap 97 no. 5: 362-363 My '64.

1. Editorial board member, "Banyaszati Lapok."

HEGEDUS, Geza, iro

What is civilization? Who is a civilized man? Munka 10 no.6: 22-23 Je '60.

HEGEDUS, Ferenc

Deep borings in the coastal zone of the North Sea. Bany lap 97 no.3:195 Mr '64.

Geophysical research in the coastal zone of the North Sea. Bany lap 97 no.3:195 Mr '64.

The Ordzhonokidze-Tiflis gas pipeline. Ibid.:195

Development of the petroleum industry in India. Ibid.:195

1. Editorial board member, "Banyaszati Lapok."

KHEGEDYUSH, Derd' [Hegedus, Gyorgy], aspirant

Permissible content of wood pulp in paper school textbooks.
Gig. i san 28 no.6:97-98 Je'63 (MIRA 17:4)

1. Iz kafedry gigiyeny detey i podrostkov Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

HEGEDUS, Gyorgy, dr.

A method for the determination of child development in children's collectives. Nepegeszsegugy 42 no.10:312-315 O '61.

1. Kozlemeny as Orszagos Kozegeszsegugyi Intezetbol (foigazgato: Bakacs Tibor dr.).

(GROWTH in inf & child)

HEGEDUS, Gyula, dr.

Fifteen years of prospecting for Hungarian hard coal (1945-1960).
Foldt kozl 90 no.4:424-427 O-D '60. (EEAI 10:5)
(Hungary--Anthracite coal)

HEGEDUS, GY.

Fluctutation in production and transportation of goods by rail, p. 269, KOZLEKED ESTUDOMANYI SZEMLE, (Kozlekedesi Kiado) Budapest, Vol. 5, No. 7/8, July/Aug. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

HEGEDUS, Gy

HEGEDUS, Gy - Conference on Bela Czere's Az arufuvarozas kezikonyve (Handbook of Goods Shipping). p. 323
Vol. 6, no. 7/8, July/Aug. 1956.
Kozlekedestudomanyi Szemle. Budapest, Hungary

Work of the Scientific Association for Transportation and Construction Transportation during the first half of the year. p. 325.
Vol. 6, no. 7/8, July/Aug. 1956.
Kozlekedestudomanyi Szemle, Budapest, Hungary.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HEGEDUS, G.

Substituting motor trucks for railroads in the transportation of parcels. p. 497

REVISTA CAILOR FERATE. (Caile Ferate Romine) Bucuresti, Rumania.
Vol. 7, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

HEGEDUS, GY.

The 2d National Conference on Transportation. p. 497.

MELYEPITESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest, Hungary. Vol. 9, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 12, Dec. 1959.

Uncl.

HEGEDUS, Gyula, dr.

On the system of central railroad stations. Kozleked kozl 17 no.50: 854-856 D '61.

HEGEDUS, Gyula, dr.

Railroad costing and its scientific development in Hungary.
Kozl tud sz 12 no.1:15-22 Ja '62.

1. MAV tanacsos, Vasuti Tudomanyos Kutato Intezet tudomanyos fomunkatarsa

TOTH, Gyorgy; HEGEDUS, Gyula

Implementing the Party decision on the development of machine industry at the Telecommunications Machine Factory. Munka 12 no.12:12-13 D '62.

1. Hiradastechnikai Gepgyar igazgatoja (for Toth). 2. Hiradastechnikai Gepgyar szakszervezeti bizottsagi titkara (for Hegedus).

HEGEDUS, Hubert

Soviet help given to the our Danube-seagoing ship the "Tokaj".
Kozleked kozl 18 no.15:250-251 15 Ap '62.

J

Country : HUNGARY
Category: Soil Science. Tillage. Reclamation. Erosion.

Abs Jour: RZhBiol., No 18, 1958, No 82155

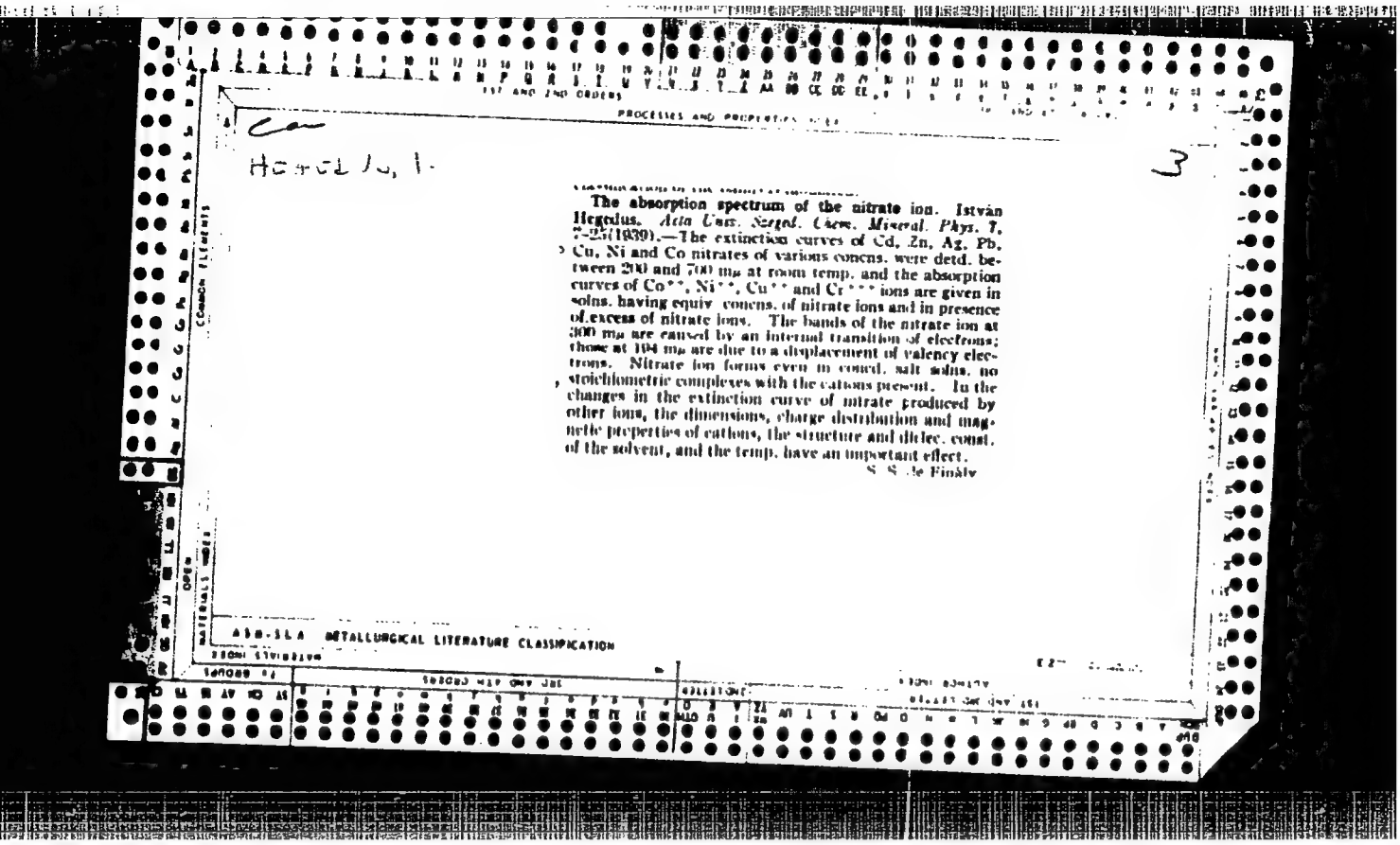
Author : Hegedus Istvan
Inst :
Title : Effectiveness ofChemical Amelioration of the Soils in 1955.

Orig Pub: Agrartudomany, 1957, 9, No 1-2, 15-21

Abstract: No abstract.

Card : 1/1

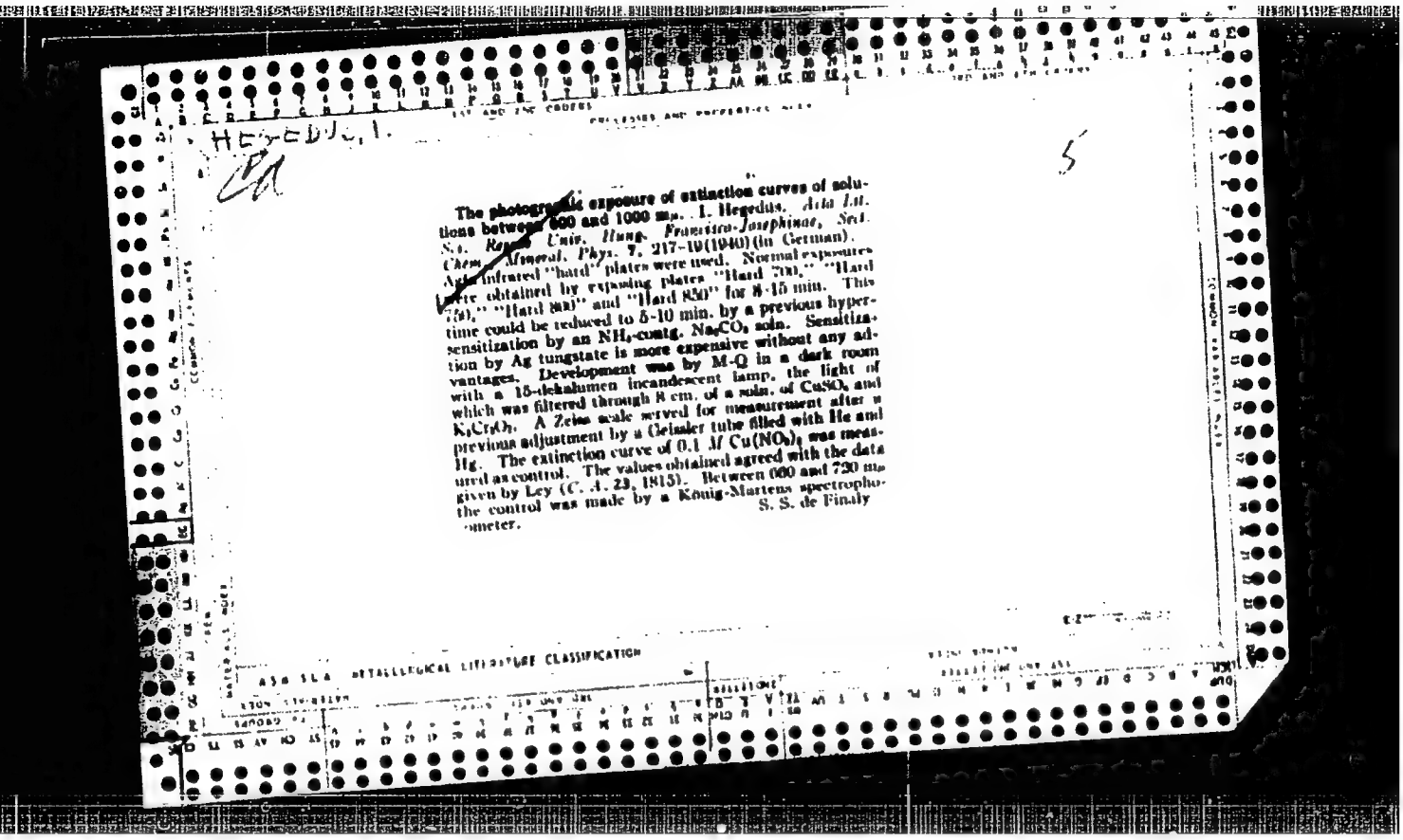
The use of aerial photographs in soil science; reflection spectrum of our Hungarian soils. Geod kart 12 no.2:91-96 '60. (EEAI 9:9)
(Hungary--Soils) (Photography)
(Spectrum analysis) (Reflection (Optics))



The absorption spectrum of the nitrate ion. István Hegedüs. *Acta Univ. Szegd. Chem. Mineral. Phys.* 1, 2–25(1939).—The extinction curves of Cd, Zn, Ag, Pb, Cu, Ni and Co nitrates of various concns. were detd. between 200 and 700 mμ at room temp. and the absorption curves of Co^{++}, Ni^{++}, Cu^{++} and Cr^{+++} ions are given in solns. having equiv. concns. of nitrate ions and in presence of excess of nitrate ions. The bands of the nitrate ion at 300 mμ are caused by an internal transition of electrons; those at 104 mμ are due to a displacement of valency electrons. Nitrate ion forms even in concd. salt solns. no stoichiometric complexes with the cations present. In the changes in the extinction curve of nitrate produced by other ions, the dimensions, charge distribution and magnetic properties of cations, the structure and dielec. const. of the solvent, and the temp. have an important effect.

S. S. de Finály

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION



The photographic exposure of extinction curves of solutions between 600 and 1000 mμ. I. Hegedüs. *Acta Lit. S.t. Reg. Univ. Hung. Francisco-Josephinae, Sect. Chem. Mineral. Phys.* 7, 217–19(1940)(in German). Agfa infrared "hard" plates were used. Normal exposures were obtained by expanding plates "Hard 780," "Hard 790," "Hard 808" and "Hard 830" for 8–15 min. This time could be reduced to 5–10 min. by a previous hypersensitization by an NH_3-contg. Na_2CO_3 soln. Sensitization by Ag tungstate is more expensive without any advantages. Development was by M-Q in a dark room with a 15-dekalumen incandescent lamp, the light of which was filtered through 8 cm. of a soln. of $CuSO_4$ and $K_2Cr_2O_7$. A Zeiss scale served for measurement after a previous adjustment by a Geissler tube filled with He and Hg. The extinction curve of 0.1 *M* $Cu(NO_3)_2$ was measured as control. The values obtained agreed with the data given by Ley (*C. A.* 23, 1815). Between 660 and 720 mμ the control was made by a König-Martens spectrophotometer.

S. S. de Finaly

HEADS, I.

USSR
HUNG.

2525. Detection of opium alkaloids on paper chromatograms. G. Csokán and I. Hepnadia. (*Magyar Kém. Foly.*, 1954, 60 (4), 121-123.) *Referativnyi Zh., Khim.*, 1954, Abstr. No. 50,279).— The paper chromatogram of opium alkaloids is treated with Mayer's reagent, excess of the reagent is washed off with tap-water, and the pptd. Hg is detected as HgS by means of ammonium sulphide/ soln.

E. Hayes

HEGEDUS, Istvan

Some further thoughts on the freightage of collective farms.
Kozleked kozl 19 no.5:72-73 3 F '63.

FREUND, P.G.O.; HEGEDUS, I.

On the group-theoretical basis of quantum mechanics. I and II. Acta phys Hung 11 no.3:285-294 '60. (EEAI 9:10)

1. Institut fur Theoretische Physik der Universitat, Wien, Osterreich (for Freund). 2. Facultatea de Matematica si Fizica, Timisoara, Rumanian (for Hegedus)
(Quantum mechanics)

HEGEDUS, Istvan

Transportation organization and professional skill in local Soviet enterprises. Kozleked kozl 16 no.18:308-310 6 My '62.

HONIG, Maria; HEGEDUS, Jolan; KOMAROMY, Laszlo

A case of surgically treated intermittent exophthalmos. Szemeszet 100 no.4:243-246 D '63.

1. I. sz. Szemeszeti Klinika (Igazdato: Radnot Magda egyetemi tanar) es az Orszagos Traumatologiai Intezet (Igazgato: Szanto Gyorgy) közlemenye.

BANKI, Dezso; BARTHA, Jozsef; HEGEDUS, Jozsef, oklevelez villamosmernok; TOTH, Otto; FRIED, Arnold; UNK, Janosne; FOLDEAK, Gabor; NIEWELT, Ferenc; KUCZOGI, Endre

Remarks about Aurel Felkai's entitled "Experiences with the operation of the Hungarian-manufactured heavy-current cables and lines." Villamossag 8 no.2-3:60-62 F-Mr '60.

1. Budapest Fovaros Elektromos Muvei vezeto mernoke (for Banki). 2. Lenin Kohaszati Muvek energia gyarreszlege fomernoke (for Bartha). 3. Orszagos Banyamuszaki Felugyeloseg (for Hegedus). 4. Borsodi Vegyi Kombinat foenergetikusa; Nehezipari Miniszterium Nehezvegyipari Foosztalya kepviseleteben (for Toth). 5. EM Szereloipari Tervezo Vallalat, Sztalinvaros (for Fried). 6. EM Szereloipari Tervezo Vallalat (for Unk). 7. Magyar Asvanyolaj es Foldgazkiserleti Intezet (for Foldeak). 8. Villamosgep es Kabelgyar (for Niewelt). 9. Orszagos Villamosenergia Felugyelet (for Kuczogi).

HEGEDUS, Jozsef

"Cutting plates" by Laskowski and John. Reviewed by Jozsef Hegedus. Gep 14 no.3:91 Mr '62.

HEGEDUS, Karoly

More attention should be paid to the interest of ourselves and our co-workers. Magy vasut 7 no.5:4 4 Mr '63.

HEGEDUS, Karoly

"At least no membership fees should be paid." Magy vasut 7 no.14:4 15 Jl '63.

HUNGARY

BARANY, Janos, Dr; Veszprem Megye Council Hospital (director-chief physician: HEGEDUS, Karoly, Dr), Rontgenological Ward (chief physician: BARANY, Janos, Dr, candidate) (Veszprem Megyei Tanacs Korhaza, Rontgenosztaly,.

"The Practical Organization of Radiation Protection."

Budapest, Magyar Radiologia, Vol XV, No 4, Aug 1963, pages 208-214.

Abstract: [Author's Hungarian summary] The practical organization of radiation protection is a manifold and extensive problem. The article presents a brief survey of the problem. Deficiencies and the steps required for their correction are discussed by the author. No references.

1/1

HEGEDUS, Karoly

Neglected safety measures. Magy vasut 8 no.14:4 18 Jl '64.

HEGEDUS, Karoly

Some experiences in the implementation of the new laws on industrial safety. Magy vasut 8 no.17:4 1 S '64.

HEGEDUS, Karoly

Why are there so many accidents during shunting? Magy
vasut 8 no. 9:4 4 My '64.

HEGEDUS, L.

Supplying our animals with green fodder. p. 21. (Magyar Mezcgazdasag, Vol. 11, no. 7, Apr. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

HEGEDUS, L.

HEGEDUS, L. Making sand useful through irrigation. p. 10.

Vol. 11, no. 17, Sept. 1956
MAGYAR MEZOGAZDASAG
AGRICULTURE
Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

Hegedus, L.

3634. Cholinesterase activity of myosin. E. Varga, T. König, E. Kiss, T. Kovács, and L. Hegedüs *Acta physiol. Acad. Sci. hung.*, 1955, 7, 171—173.—Myosin, trypsin-digested myosin, and L-meromyosin have about the same cholinesterase activity, while H-meromyosin has no cholinesterase activity. The ATP-ase activity of the same prep. differs from that of their cholinesterase activity; myosin and digested myosin have equal, L-meromyosin practically nil, H-meromyosin very great activity. A cryst. prep. of L-meromyosin has 3 to 4 times as great a cholinesterase action as has a non-cryst. one. It is concluded that (*a*) different parts of the myosin molecule are responsible for the acetyl cholinesterase and for the ATP-ase activities, and (*b*) L-meromyosin, up to now considered as enzymically inactive, has cholinesterase activity. (Hungarian)

A. B. L. Beznák.

5

Met

Hegedus, Laszlo

HD

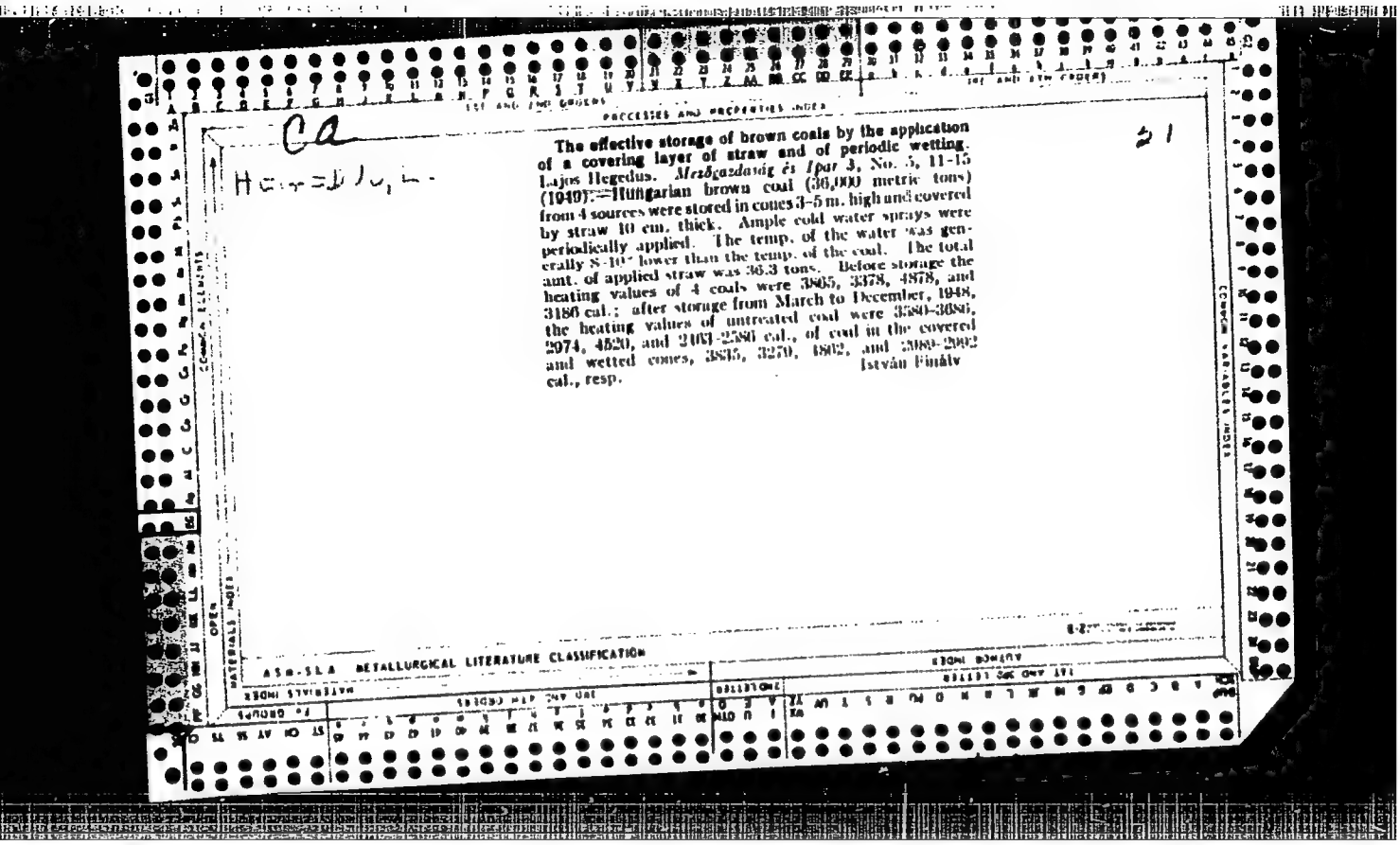
The heterodisperuity and molecular structure of dextran applied as a substitute for plasma. Béla Tarján, László Hegedus, Ferenc Guba, Mrs. Mihály Bárány, and Endre Török (Research Inst. Pharm. Ind., Budapest). *Magyar Kém. Folyóirat* 61, 65–73(1955).—On the basis of investigation of mol. wt., heterodisperaity, and proportion of 1,6 to 1,4 glycosidic bonds of an acid-hydrolyzed plasma substitute, a lab. method was evolved for the fractionation of dextrans. The η_{sp}/c values detd. in 6, 8, 10% solns. proved more suited for characterizing mol. wts. of degraded and fractionated dextrans than the values of intrinsic viscosity. Mol. wts. of dextran samples and of their fractions were detd. by diffusion and ultracentrifuging. Acid-degraded, unfractionated dextrans of intrinsic viscosities 0.10–0.21 were extremely heterodisperse. One or more fractionations are necessary to remove fractions of very low and very high mol. wts. to obtain a product suited as a plasma substitute. The glycosidic bonds of samples of degraded and fractionated dextran examd. were in about 85% of the cases of type 1,6. Appreciable deviations were observed with undegraded dextrans (contg. 1,6 bonds in 73%) and with overhydrolyzed dextrans (contg. 91% 1,6 bonds). L. R.

(4)

FEKETE, Kalman; HEGEDUS, Lorant

The manufacture of shrunk grain pigskin leathers. Bor cipo 10 no.5:145-147 S '60.

1. Boripari Kutato Intezet (for Fekete). 2. Diszmuborgyar (for Hegedus).



Ca

21

The effective storage of brown coals by the application of a covering layer of straw and of periodic wetting. Lajos Hegedus. *Mezőgazdaság és Ipar* 3, No. 5, 11-15 (1949).—Hungarian brown coal (36,000 metric tons) from 4 sources were stored in cones 3–5 m. high and covered by straw 10 cm. thick. Ample cold water sprays were periodically applied. The temp. of the water was generally 8–10° lower than the temp. of the coal. The total amt. of applied straw was 36.3 tons. Before storage the heating values of 4 coals were 3805, 3378, 4878, and 3186 cal.; after storage from March to December, 1948, the heating values of untreated coal were 3580–3886, 2974, 4820, and 2103–2580 cal., of coal in the covered and wetted cones, 3835, 3270, 4802, and 3089–2992 cal., resp.

István Finály

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

HEGEDUS, L.

3'

16. Plant experiences in long term storage of lignite. [illegible] Hegedus, [illegible] Sugar Industry [illegible]

In [illegible] the Szolnok sugar plant and [illegible] coalyards throughout the country were stored according to the method elaborated by the author. In principle this method consists in covering with a layer of straw the coal stored in the open air and by periodical sprinkling to keep it continuously moist. Experience has proven that in the case of larger lumps of coal 5 to 20 liters of sprinkling water are needed daily to each square meter. The water requirement is naturally greater on warm, windy days than when the weather is cold and dry. 2,300 M. T. of lignite had been stored at the *Szolnok* sugar plant from May 19[illegible] for almost one year in piles of 3.5 meters by the straw covering method. At the end of the storing period samples were taken from various depths of the coal pile. According to the [illegible] figures obtained from the analysis of the samples it became clear that the ash contents of the coal [illegible] very slightly and that the calorific power [illegible] correspondingly. This phenomenon is explained by the fact that owing to the continuous sprinkling the clayey and soil particles were slowly removed from the coal [illegible]

Even when storing with straw coverings it is necessary to check the temperature of the coal piles regularly by means of iron rods.

HEGEDUS, L.

BARANY, M.; HEGEDUS, L.

"Determination of the molecular weight of materials of large molecular volume with an ultracentrifugal and diffusion apparatus." p. 268 (Magyar Kemikusok Lapja, Vol 8, No. 9 Sept 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

HEGEDUS, Lajos, fomernok

Continuous sugar solvent. Cukor 12 no.6:147-148 Je '59.

1. Szolnoki Cukorgyar.

HEGEDUS, L.

CZECHOSLOVAKIA

HOCMAN, G.; HEGEDUS, L.

Institute of Endocrinology, Slovak Academy of Sciences (Endokrinologicky ustav SAV), Bratislava (for both)

Bratislava, Farmaceuticky obzor, No 2, Feb 1966, pp 63-66

"Experience with gel filtration applied to the sephadex."

CZECHOSLOVAKIA

HOCMAN, G.; HEGEDUS, L.; Endocrinological Institute, Slovak Academy of Sciences (Endokrinologicky Ustav SAV), Bratislava.

"A Method for the Determination of Binding Capacity of the Blood Plasma Proteins to Thyroxine."

Prague, Ceskoslovenska Farmacie, Vol 15, No 5, Jun 66, pp 244-246

Abstract [Authors' English summary modified]: Two equal samples of blood plasma are incubated with radioactive thyroxine, and with two different amounts of l-thyroxine. In both cases the ratio of radiothyroxine free and bound to plasma proteins is determined by means of gel giltration on Sephadex G 25. On the basis of these results the binding capacity of the plasma proteins to thyroxine is calculated. 1 Figure, 2 Tables, 13 Western, 3 Czech references. (Manuscript received 8 Jul 65).

HEGEDUS, Melinda, dr.

Cervical dissection in cases of lingual carcinoma. Magy. sebesz. 15 no.3:148-152 Je '62.

1. A Fovarosi Uzsoki utcai korhaz (Ig. foorvos: Szanto Sandor dr.) Onkoradiologiai Intezetenek (Osztalyvezeto-foorvos: Vandor Ferenc dr., az orvostudomanyok kandidatusa, Onkologiai Gondozo Intezet vezeto foorvosa Karpati Gyorgy dr.) kozlemenye.

(TONGUE neopl) (NECK surg)

HEGEDUS, S.; BALINT, S.

Innovators' movement of producers' cooperatives. p. 10.

Month of innovations of OKISZ. p. 10.

UJITOK LAPJA, Vol. 7, No. 9 May 1955

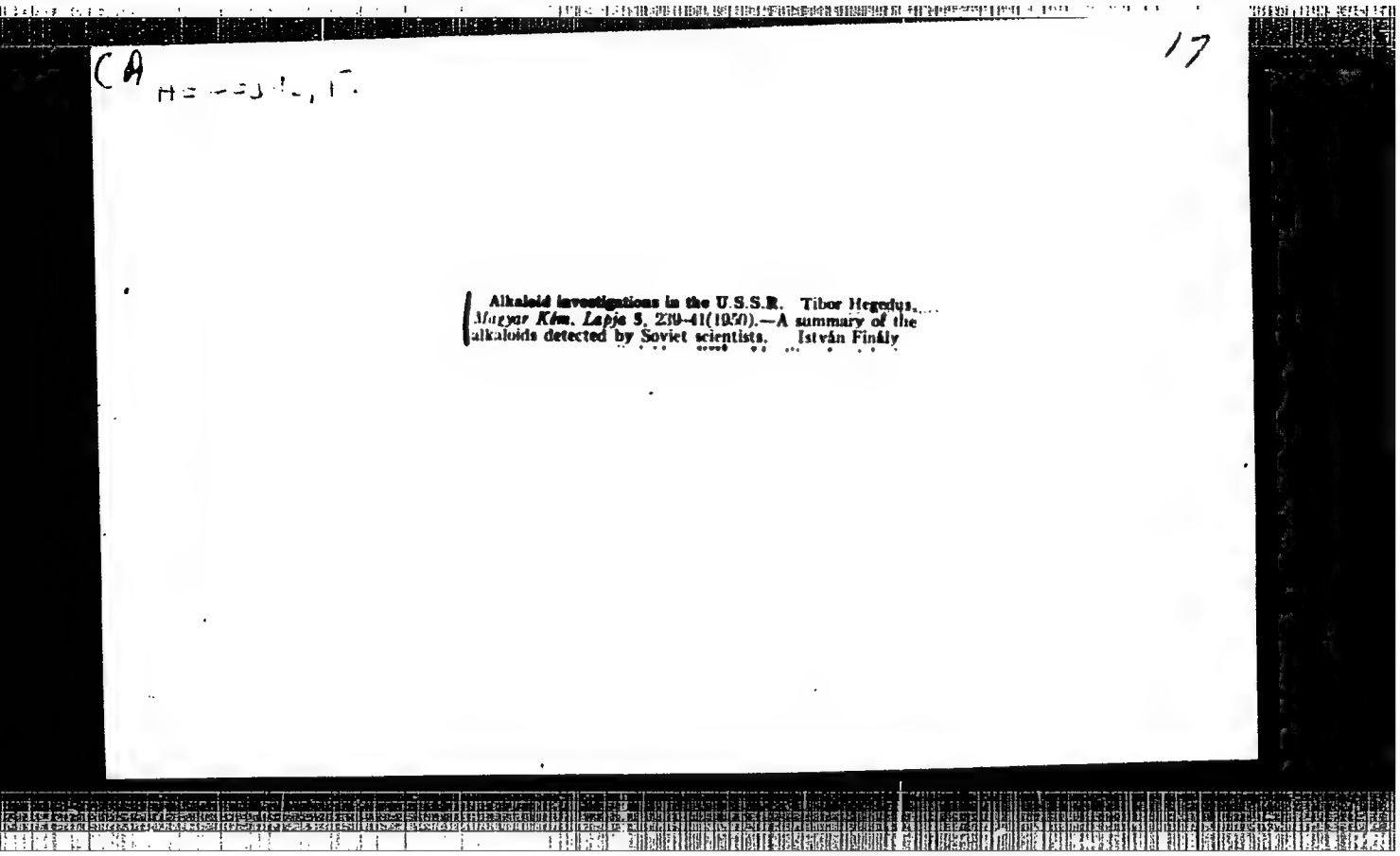
(Oszagos Talalmanyi Hivatal) Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 September, 1956

HEGEDUS, S.

Data on the clinical aspect of herpes zoster. Orv. hetil. 104 no.5: 234-235 3 F '63.

(HERPES ZOSTER)



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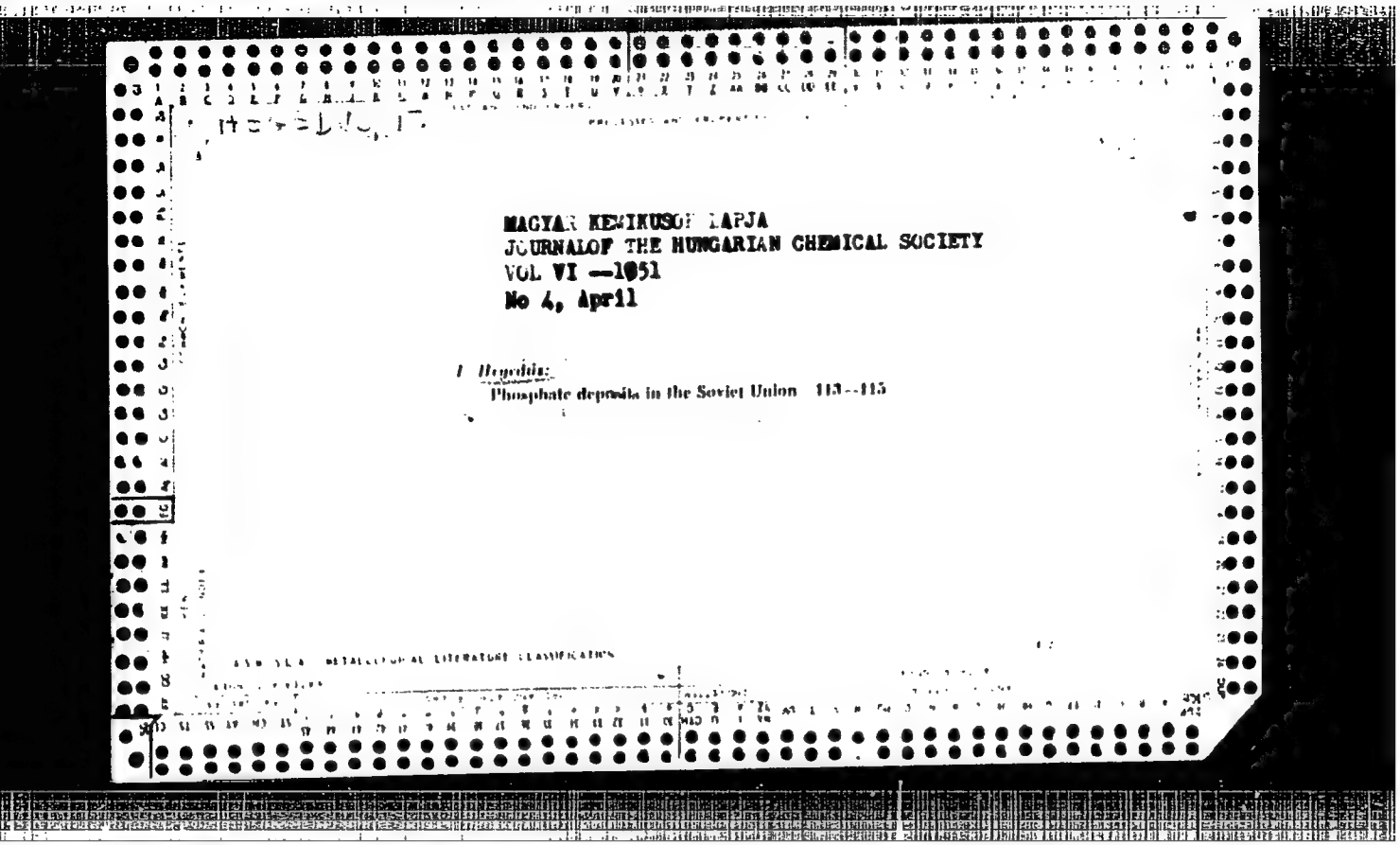
Alkaloid investigations in the U.S.S.R. Tibor Hegedus. *Magyar Kém. Lapja* 5, 239-41(1950).—A summary of the alkaloids detected by Soviet scientists. István Finály



MAGYAR KEMIKUSOK LAPJA
JOURNAL OF THE HUNGARIAN CHEMICAL SOCIETY
VOL VI —1951
No 4, April

HEGEDUS, T.

"The fifth Five-Year Plan and the Hungarian chemical industry." p. 65. (Magyar Kemikusok Lapja, Vol. 8, no. 3, Mar. 1953, Budapest)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954, Unclassified

HEGEDUS, T.

HEGEDUS, T.

"Technical Tasks for Improvement of Quality in the Chemical Industry", P. 1, (TOBBTERMELES, Vol. 8, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

HEGEDUS, T.

HEGEDUS, T. - Soviet debate about the economy factor in technical development.
p. 12, Vol. 10, no 8, Aug. 1956
TOBBTERMELES. (Uzemi Tervgazdasagi es Szervezesi Tudomanyos Egyesulet) Budapest.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

HEGEDUS, Tibor; NEMETH, Andras; SZEKELY, Attila

World situation and prospective trend of the manufacture of plasticizers. Magy kem lap 19 no. 1: 30-35 Ja '64.

1. Vegyipari INVEST Vallalat Kozgazdasagi Foosatalya.

HEGE, S.

"Defects in the manufacturing technology of copper and copper alloys; metallographic examination of defects caused by nonmetallic and extraneous blisters" p. 311, (GEP, Vol. 5, no. 7, July 1953, Budepest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

Hegedus, Z.

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Zinc oxide inclusions. Z. Hegedus (Metallurgical and Metallograph. Lab., Esnetif... Acta Tech. Acad. Sci. Hung. 6, 479-80(1953).—At low casting temps. ZnO cannot rise to the surface of a brass melt because of the high viscosity. ZnO inclusions in brass cause cracking at cold-working; they can be detected through their properties which correspond to natural zincite. The metallographic specimen is etched with: 2% HNO_3 in EtOH; concd. H_2F_2; 10% $(NH_4)_2S_2O_8$; $FeCl_3$-HCl 1:3; NH_4OH 1:3 does not attack the ZnO inclusions. It is easy to distinguish ZnO from Cu_2O, Cu_2S, Cu_2Te, Cu_2Se. It resembles SnO_2, but is much lighter, having a higher reflectivity. Its color is pigeon-gray, SnO_2 is dark gray with a bluish shade. Standard of comparison samples for identification of questionable inclusions are prepd. by placing oxidized Cu on molten brass and by heating them for some time to a temp. little below the melting of the Cu; numerous ZnO inclusions are formed near the contact surface in the brass. M. M.

D J

HEGEDUS, Z.

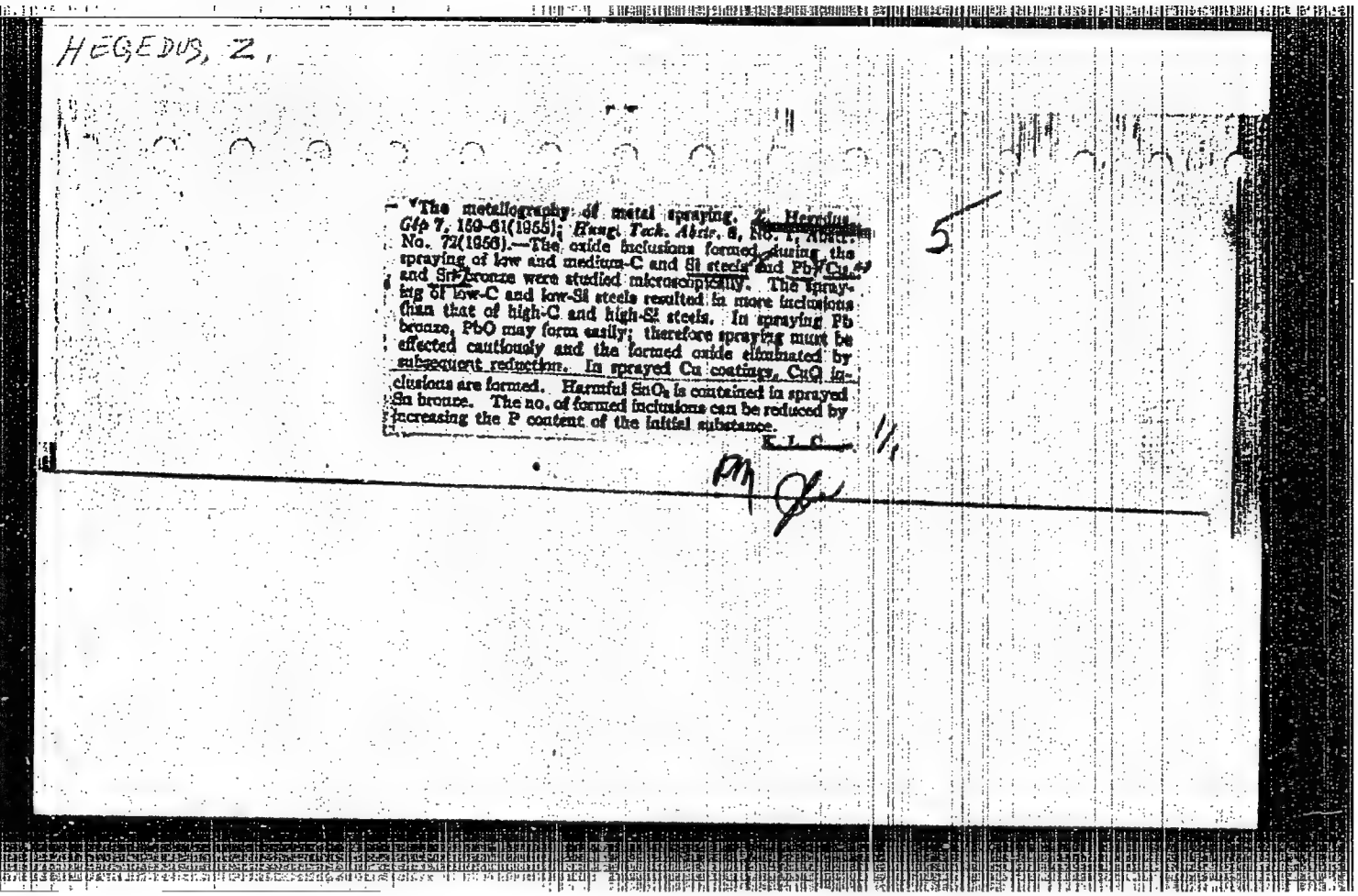
Micropolishing of steel and iron alloys. [illegible] and Z. Hegedüs. *Kohászati Lapok* 9, 343-52(1954); *Hung. Tech. Abstr.* 7, No. 2, 14(1955).—Micro or spot polishing is used for nondestructive metallographic tests on finished pieces of work. The method is a modification of [illegible] polishing and can only be used on a surface of 1.5 sq. mm. The principal parts of the app. are valve rectifier with equip. [illegible], potentiometer, milliammeter, diaphragm pump, and a glass pipet with sealed Pt cathode. During 2 years of plant experiences in Hungary glycerol-perchloric acid-alc. and butyl cellosolve electrolytes have proved the best, alc. perchloric acid can also be used satisfactorily. Mild steel requires 12-25 sec., 100-30 ma.; alloy tool and high-speed steels 6-12 sec., 100-80 ma.; cast iron 5-8 sec., 40-60 ma. Sawn or ground surfaces are also suitable for direct polishing, especially in case of single-phase alloys. The procedure is extremely rapid and reliable. B. L. C.

HEGEDUS, Z.

Effect of sampling on the determination of the quality of steel. p. 536.

(KOHASZATI LAPOK, Budapest, Vol. 9, no. 12, Dec. 1954.)

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, no. 1, Jan. 1955, Uncl.



HEGEDUS, Z.

"The metallography of metal spraying. Z. Hegedus. *Gép* 7, 159-61(1955); *Hung. Tech. Abstr.* 8, No. 1, Abstr. No. 72(1956).—The oxide inclusions formed during the spraying of low and medium-C and Si steels and Pb-Cu- and Sn-bronze were studied microscopically. The spraying of low-C and low-Si steels resulted in more inclusions than that of high-C and high-Si steels. In spraying Pb bronze, PbO may form easily; therefore spraying must be effected cautiously and the formed oxide eliminated by subsequent reduction. In sprayed Cu coatings, CuO inclusions are formed. Harmful SnO_2 is contained in sprayed Sn bronze. The no. of formed inclusions can be reduced by increasing the P content of the initial substance.

E. L. C.

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HEGEDUS, Z. : BOZSAI, I.

Electrography, a new branch of testing materials without breaking them. p. 299.
Vol 7, no. 8, Aug. 1955. GEP. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

67. Data on copper oxyarsenate, copper nickel oxyarsenate and nickel oxide inclusions (In English) — Z. Hege-dűs. (*Acta Technica Academiae Scientiarum Hungaricae* — Vol. 10, 1955, No. 1—2, pp. 117—126, 10 figs.)

MG

Data on copper oxyarsenate in literature have been controlled by preparing artificial inclusions in alloys of various composition. It was found that the inclusion understood to be copper nickel oxyarsenate was in reality NiO. The optical and physical properties of the NiO inculsions, their crystallization and their distinction from oth nonmetallic inclusions of copper, as well as their conditions of formation were examined.

HEGEDUS, Z.

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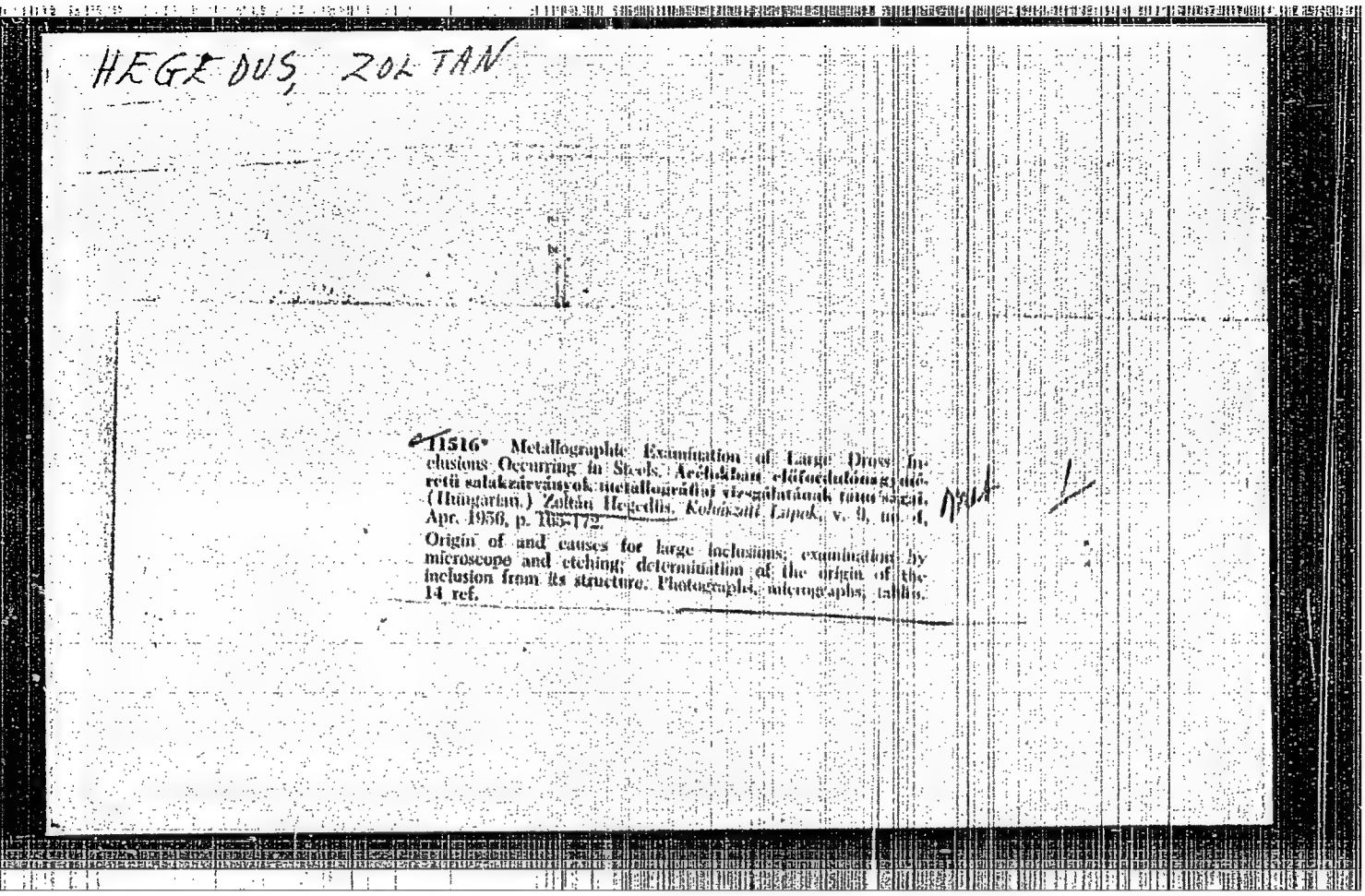
68. Data on copper oxide inclusions in industrial copper (In German) — Z. Hegedus. (*Acta Technica Academiae Scientiarum Hungaricae*) Vol 10, 1955, No. 1—2, pp. 127—137, 15 figs.)

MG The optical properties of CuO inclusions, their distinction from other, nonmetallic inclusions of copper, as well as technological defects caused by the inclusions have been examined. Besides Cu_2O and CuO, $CuFeO_2$ also occurs in ferruginous slags. During hot forming secondary CuO is reduced to Cu_2O while in bronzes low in P, containing Sn, the CuO is reduced to Cu_2O and metallic copper during which secondary SnO_2 is formed.

HEGEDÜS, Z.

66. Examination of the defects of extruded nonferrous semifinished products. (In Russian) Z. Hegedüs. *Acta Technica Academiae Scientiarum Hungaricae*, Vol. 13, 1955, No. 1—2, pp. 115—146, 34 figs., 4 tabs.

Extrusion defects have been classified according to the causes of their sources. Among th defects which may be traced to the flow of the material inclusions of impurities occur the most frequently. With some alloys oxide and foreign metal inclusions appear at the surface while with others they appear in the interior. The differences in location of inclusions are caused by the divergencies in the properties of the scale on the billet. With aluminium alloys the place of inclusion of the oxide depends on the surface quality of the cylinder and of the billet, on the compression of the latter, on the design of the extruding ram and tool, and on lubrication. Among the unsatisfactory extruding conditions a too low temperature usually creates difficulties only during subsequent finishing. Excessively high temperature and velocity of extrusion produce characteristic defects which are often very similar and therefore it is difficult to ascertain the exact cause. An unsatisfactory billet causes varied defects; their source may be determined in most cases by chemical analysis and microscopic examination.



HEGEDUS, ZOLTAN

11516* Metallographic Examination of Large Dross Inclusions Occurring in Steels. Acélokban előforduló nagyméretű salakzárványok metallográfiai vizsgálatának tapasztalatai. (Hungarian.) Zoltán Hegedüs. *Kohászati Lapok*, v. 9, no. 4, Apr. 1956, p. 165-172.

Origin of and causes for large inclusions; examination by microscope and etching; determination of the origin of the inclusion from its structure. Photographs, micrographs, tables, 14 ref.

HEGEDUS, Z.

In effect, what is globular carbide? p. 66.
KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet). Budapest.
Vol 11, no. 3, Mar 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

HEGEDUS, ?.

Conclusions of a metallographic test of large inclusions of dross in steel. (Kohaszati Lapok. Vol. 11, no. 4, Apr. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957 Uncl.

HEGEDUS, Z.

Examination of defects resulting from embedded impurities in pressed nonferrous metal and light-metal products. P. 45
KOZLEMENYEI Budapest, Vol. 18, no. 1/4, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

Distr: 4E2c

82. Production defects in nickel silver alloys caused by phosphorus contamination. Z. Hegedüs, M. Stefán. *Kohászati Lapok*. Vol. 12(90), 1957, No. 10, pp. 470—472, 9 figs., 3 tabs.

A thorough investigation was conducted on the influence of phosphorus contamination on the structure and technological properties of nickel silver alloys in relation to scrap. The phosphides are practically insoluble at room temperature and considerably reduce elongation like other unequally dispersed, non-plastic inclusions of copper (*e.g.* SnO_2). During homogenization the phosphide dissolves in the alpha phase leaving mostly small interstices at the boundary of the crystals and upon cooling the phosphide separates again as fine, pointlike inclusions thereby causing local increases in hardness. The defect appears only at spots highly enriched in phosphorus. The alloy absorbed the phosphorus by reduction from the refractorylining of the furnace.

[illegible], Z.

Some interes ing flaws of extrusion on n nferrous and light metal semiproducts. p. 75.
(KOHASZATI LAPOK. Vol. 12, no. 1/2, Jan/Feb. 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957 Uncl.

HEGEDUS, Zoltan; STEFAN, Mihaly

Phosphorus contamination caused production defects in alpaca alloys. Koh lap 12 no. 10:470-472 O '57.

Hegedüs, Z.

Distr: 4E2c

111. Surface defects caused by gassiness in the manufacture of nickel silver sheets. Z. Hegedüs, M. Stefán. *Kohászati Lapok*. Vol. 13 (91), 1958, No. 1, pp. 34--38, 10 figs., 3 tabs.

Most defects encountered during the manufacture of nickel silver sheets (surface cracks, overlapping, blisters) are due mainly to the increased gas content of the cast slabs. This may be eliminated by using the following sequence of charging: (1) melting of manganese in an amount of 0.3% of the total weight of the charge, (2) melting of the copper, (3) charging of nickel silver scrap, (4) introduction of oxide-free nickel and/or copper-nickel scrap, (5) after melting the nickel the melt is stirred and covered with charcoal, (6) zinc is added, (7) phosphorus is added. This method of charging prevents the contamination of the melt by a high NiO content leading to an increased gas content. In order to avoid a high gas content the amount of mould paint added and the dryness of the charcoal used for covering the melt should be given special attention.

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72. Changes of structure and manufacturing faults caused by scaling in hot-rolled Bz5 bronze." (In German) Z. Hegedüs. *Acta Technica Academiae Scientiarum Hungaricae*. Vol. 19, 1958, No. 3—4, pp. 363—369, 5 figs.

Surface cracks formed at the first passes of hot rolling are connected with de-tinning on the surface and formation of SnO_2 in the atmosphere of the oxidizing furnace. Scale forms in two steps. First the Sn content of the *alpha* crystal oxidizes into SnO, and then, after complete de-tinning, the copper oxidizes. De-tinning precedes oxidation in space and time. The thickness of the de-tinned layer varies in the function of the temperature and time of homogenization. The form of the secondary SnO_2 and its dimensions depend on the partial pressure of the O_2 present.

RB
III

Distr: 4E2c

110. **Defects of fabrication caused by phosphorus impurities in German silver alloys.** (In Russian) Z. Hegedüs, M. Stefán. *Acta Technica Academiae Scientiarum Hungaricae*. Vol. 20, 1958, No. 3—4, pp. 296—304, 9 figs., 3 tabs.

The effect of phosphorus contamination on the structure and technological properties of German or nickel-silver alloys have been examined in connection with production rejects. Phosphides are practically insoluble at room temperature and, similarly to other unevenly distributed non-plastic inclusions (SnO_2), they greatly reduce elongation. At homogenization phosphide dissolves in α and upon cooling segregates again as fine inclusions in the shape of specks causing thereby a local increase of hardness. Flaws appear only in the parts strongly enriched in phosphorus, in the centre of the plate when the specified technology of casting is used. Phosphorus was absorbed through reduction from the furnace lining.

Defects in sheet alpaca (metal) caused by gas occlusions. Zoltán Hegedüs and Mihály Stefán. *Kohászati Lapok* 91, 34–8(1958).—Defects in alpaca sheets were studied. These are mainly surface cracks, laminations, and voids, caused by CO occlusions. The CO originates from the reduction of scrap contg. oxidized Ni. By adopting a suitable feeding procedure the gas formation (and proportionally the incidence of defects) can be considerably reduced.

L. G. Ac...

HEGEDÜS, Z. ; STEFAN, M.

Qualitative and surface flaws on formable Bz5, Bz8 bronze plates and bands. p. 262.

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary Vol. 14, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

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E190/E580

AUTHORS: Székely, Levente, Dipl.met.eng. and Hegedüs, Zoltán, Dipl.chem.eng.

TITLE: The Examination of Corrosion Defects in Power-Plant Boiler Tubes

PERIODICAL: Kohászati lapok, 1960, No.11, pp.481-489

TEXT: The paper deals with experience gained in the metallographic examination of A 35.47 (C - 0.17%, S - 0.35%, Mn - 0.40%, tensile strength = 35-45 kg/mm^2) and A 45.47 (C - 0.22%, Si - 0.35%, Mn - 0.45%, tensile strength = 45-55 kg/mm^2) type boiler tubes of Hungarian and foreign manufacture that failed in service mainly as a result of incorrect operation of the power plants. Local overheating caused thinning of the walls and led finally to bursting of the tubes. Temperatures not exceeding 723°C could be recognized by grain growth, recrystallization or, in the case of prolonged exposure to near 725°C, by a decarbonized region of columnar structure that formed under the influence of $H_2O + H_2$ underneath the scale layer. Heating to over 723°C showed up in a change from lamellar to globular pearlite or, in tubes that were heated into

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